

AMENDMENT TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. - 2. (Canceled)

3. (Previously Presented) A method for treating gastroparesis, comprising:

connecting a pulse generator to an external coil;

receiving electricity at an internal coil from the external coil by at least transcutaneous energy transmission, the internal coil being implantable in a gastroparesis patient;

connecting a waveform rectifier circuit to the internal coil;

connecting electrodes to the waveform rectifier circuit, the electrodes are capable of being positioned in contact with a gastric wall;

feeding a sine wave current from the pulse generator when the external coil is positioned at an external site in proximity to where the internal coil is implanted so that an electrical stimulation is effective on the stomach; and

selecting a frequency and amplitude of the sine wave current so that the electrical stimulation is providing long pulse stimulation with a pulse width of 300ms or more to the gastroparesis patient whose vagus nerve has been cut.

4. (Previously Presented) The method according to claim 3, wherein the long pulse stimulation is electrical stimulation of square waves with an amplitude of 4 mA, and a frequency of 0.03-0.06 Hz.

5. - 6. (Canceled)